PATENT COOPERATION TREATY

From the Japan Patent Office

(INTERNATIONAL SEARCHING AUTHORITY)

PCT

To: Agent of Applicant Hajime Takashima

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WRITTEN OPINION OF THE INTERNATIONAL

SEARCHING AUTHORITY (PCT Rule 43-2.1)

		Date of mailing (day/month/year	
Applicant's or agent's file reference	09620	For Further see paragr	Action aph 2 below
International application No. PCT/JP2004/002464	International filing of 01.03.	late (day/month/year) 2004	Priority date (day/month/year) 04.04.2003
International Patent Classification (IPC)	Int. Cl. 7 C0	7D215/14	
Applicant KURARAY CO., L'	rd.		. 1

1.	This report contains it	ndications relating to the following iten	18:	
	⊠ Box No. I	Basis of the opinion		
	☐ Box No. II	Priority		
	□ Box No. III	Non-establishment of opinion with re	gard to novelty, inventive step and industrial	applicability
	☐ Box No. IV	Lack of unity of invention	•	,
	⊠ Box No. V	Reasoned statement under Rule 43-2. applicability; citations and explanatio	1(a)(i) with regard to novelty, inventive step on supporting such statement	or industrial
	□ Box No. VI	Certain documents cited	,	•
	🗆 Box No. VII	Certain defects in the international ap	plication	
	□ Box No. VIII	Certain observations on the internation	nal application	
2.	Preliminary Examining this one to be the IPEA of this International Se	g Authority (IPEA) except that this doe A and the chosen IPEA has notified the earthing Authority will not be so consider	e, this written opinion is the first drawn up by s not apply where the Applicant chooses an A International Bureau under Rule 66.1 bis(b) thered. In opinion of the IPEA, the applicant is invited	uthority other than hat written opinions
	IPEA a written reply to	ogether, where appropriate, with amend	ments, before the expiration of 3 months from months from the priority date, whichever expi	the date of
	For further options, see	Form PCT/ISA/220.		
3.	For further details, see	notes to Form PCT/ISA/220.		
Esta	blished this written op	inion 21.05.2004		
Name and mailing address			Authorized officer	4P 9638
		t Office (ISA/JP)	Examiner	L
		gaseki 3-chome	Kayoko Enomo	to
	Chiyoda-ku,	Tokyo 100-8915 Japan	Telephone No. 03-3581-1101 exter	sion 3492

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL

SEARCHING AUTHORITY

Intern. application No.PCT/JP2004/002464

I. Basis of the opinion						
 Unless otherwise indicated under this item, this written opinion was drawn up based on the language in which the international application was filed. 						
[] This written opinion is in the following language which is: The language of a translation furnished for the purposes of the international search (under Rule 12.3 and 23 (b)).	.1					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and neces to the claimed invention, this opinion has been established on the basis of	sary					
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
on paper						
in electronic form						
c. time of filing/furnishing	ŀ					
contained in the international application in written form						
filed together with the international application in computer readable form furnished subsequently to this Authority for the purposes of search						
	- 1					
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
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4. Additional comments:						
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Intern. application No.PCT/JP2004/002464

. Statement			
Novelty (N)	Claims	1	YES
	Claims		NO
Inventive Step (IS)	Claims	1	YES
	Claims		NO
Industrial Applicability (IA)	Claims	1	YES
	Claims		мо

2. Citations and Explanations

References

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- 1. JP 2001-316369 A (KURARAY CO., LTD.) 2001.11.13
- 2. DE 3905908 A (BAYER AG) 1990.09.06
- 3. Tetrahedron Letters, 1990, Vol.31, No.3, p. 349-52
- 4. Journal of Organic Chemistry, 1978, Vol.43, No.19, p.3788-9

Explanations

Claim 1

The invention described in claim 1 has novelty and an inventive step over the references cited in the International Search Report.

References 1-4 do not describe reacting a quinolinecarbaldehyde compound represented by the formula (II) and an imine compound represented by the formula (III), as described in claim 1 of the present application, and such reaction is not obvious to even those of ordinary skill in the art from the description of references 1-4.